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Embedded Stellar Clusters in the W3/W4/W5 Molecular Cloud Complex. *John M. Carpenter, Mark H. Heyer, & Ronald L. Snell.* 130, 381 (2000)

Mid-Infrared Imaging of Star-forming Regions Containing Methanol Masers. *James M. De Buizer, Robert K. Pina, & Charles M. Telesco.* 130, 437 (2000)

STARS: ROTATION

Photometric Variability in a Sample of 187 G and K Giants. *Gregory W. Henry, Francis C. Fekel, Stephen M. Henry, & Douglas S. Hall.* 130, 201 (2000)

STARS: SPOTS

Photometric Variability in a Sample of 187 G and K Giants. *Gregory W. Henry, Francis C. Fekel, Stephen M. Henry, & Douglas S. Hall.* 130, 201 (2000)

STARS: VARIABLES: OTHER

Photometric Variability in a Sample of 187 G and K Giants. *Gregory W. Henry, Francis C. Fekel, Stephen M. Henry, & Douglas S. Hall.* 130, 201 (2000)

SUN: CORONA

Soft X-Ray and Gyroresonance Emission above Sunspots. *A. Nindos, M. R. Kundu, S. M. White, K. Shibasaki, & N. Gopalswamy.* 130, 485 (2000)

SUN: RADIO RADIATION

Soft X-Ray and Gyroresonance Emission above Sunspots. *A. Nindos, M. R. Kundu, S. M. White, K. Shibasaki, & N. Gopalswamy.* 130, 485 (2000)

SUN: X-RAYS, GAMMA RAYS

Soft X-Ray and Gyroresonance Emission above Sunspots. *A. Nindos, M. R. Kundu, S. M. White, K. Shibasaki, & N. Gopalswamy.* 130, 485 (2000)

SURVEYS

Discovery of Damped Ly α Systems at Redshifts Less than 1.65 and Results on Their Incidence and Cosmological Mass Density. *Sandhya M. Rao & David A. Turnshek.* 130, 1 (2000)

The Arecibo Dual-Beam Survey: Arecibo and VLA Observations. *Jessica L. Rosenberg & Stephen E. Schneider.* 130, 177 (2000)

Loose Groups of Galaxies in the Las Campanas Redshift Survey. *Douglas L. Tucker, Augustus Oemler, Jr., Yasuhiro Hashimoto, Stephen A. Shectman, Robert P. Kirshner, Huan Lin, Stephen D. Landy, Paul L. Schechter, & Sahar S. Allam.* 130, 237 (2000)

TURBULENCE

Two-dimensional Models of Hydrodynamical Accretion Flows into Black Holes. *Igor V. Igumenshchev & Marek A. Abramowicz.* 130, 463 (2000)

ULTRAVIOLET: GALAXIES

The Local Ly α Forest. I. Observations with the GHRS/G160M on the *Hubble Space Telescope*. *Steven V. Penton, John T. Stocke, & J. Michael Shull.* 130, 121 (2000)

ULTRAVIOLET: ISM

Atomic Data for Resonance Absorption Lines. II. Wavelengths Longward of the Lyman Limit for Heavy Elements. *Donald C. Morton.* 130, 403 (2000)

